PTO/SB/05 (08-03)

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UTILITY PATENT APPLICATION **TRANSMITTAL**

Attorney Docket No.		65858-0029				
First Inventor		Charles J. Koehler				
Title	FLUID CONI	DITION MONITORING USING BROAD IMPEDANCE SPECTROSCOPY				

(Only for new nonprovisional applications under 37 CFR 1.53(b))	press Mail Label No. EV 078877250 US					
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application content	MS Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450					
1. X Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original, and a duplicate for fee processing) 2. Applicant claims small entity status. See 37 CFR 1.27. 3. X Specification [Total Pages 42] (preferred arrangement set forth below) - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure 4. X Drawing(s) (35 U.S.C. 113) [Total Sheets] 5. Oath or Declaration [Total Sheets]	7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Form (CRF) b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. Paper c. Statements verifying identity of above copies ACCOMPANYING APPLICATION PARTS 9. Assignment Papers (cover sheet & document(s)) 10. 37 CFR 3.73(b) Statement (when there is an assignee) Power of Attorney 11. English Translation Document (if applicable) 12. X Information Disclosure Statement (IDS)/PTO-1449 13. Preliminary Amendment					
b. Copy from a prior application (37 CFR 1.63(d)) (tor continuation/divisional with Box 18 completed) i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).	 14. X Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 15. Certified Copy of Priority Document(s) (If toreign priority is claimed) 16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. 17. Other: 					
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part (CIP) of prior application No.: Prior application information: Examiner For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.						
19. CORRESPONDENCE ADDRESS						
X Customer Number: 10291	OR Correspondence address below					
Name RADER, FISHMAN & GRAUER PLLC Charles A. Bieneman						
Address 39533 Woodward Avenue Suite 140						
City Bloomfield Hills State	MI Zip Code 48304					
Country US Teleph	ne (248) 594-0600 Fax (248) 594-0610					
Name (Print/Type) Charles A. Bieneman	Registration No. (Attorney/Agent) 51,472					
Signature Date November 26, 2003						

Utility Patent Application Transmittal

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV 078877250 US, in an envelope addressed to: MS Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: November 26, 2003

(Sarah J. Goodwin)

FEE TO A MORAITTAL		Complete if Known						
FEE TRANSMITTAL		Application Number				Not Yet Assigned		
for FY 2004		Filing Date				Concurrently Herewith		
		First Named Inventor			ntor	Charles J. Koehler		
Effective 10/01/2003, Patent fees are subject to annual revision.		Examiner Name				Not Yet Assigned		
Applicant claims small entity status. See 37 CFR 1.27		Art Unit				N/A		
TOTAL AMOUNT OF PAYMENT (\$) 2,914.00		Attorney Docket No. 65858-0029						
METHOD OF PAYMENT (check all that apply)				FEE	CALCUL	ATION (co	ntinued)	
Chack Credit Money Other None	3. ADDITIONAL FEES							
Card Corder C	" '							
X Deposit Account:	Large	e Entity	Small	Entity				
Deposit Account 18-0013	Fee	Fee	Fee	Fee		Fee Desc	ription	Eas Daid
Number Deposit	Code	(\$)	Code	(\$)				Fee Paid
Account Rader, Fishman & Grauer PLLC	1051	130	2051	65	_	- late filing fe		
The Director is authorized to: (check all that apply)	1052	50	2052	25	sheet.	- late provisit	onal filing fee or cover	
X Charge fee(s) indicated below X Credit any overpayments	1053	130	1053	130	Non-English	n specificatio	n	
Charge any additional fee(s) during the pendency of this application	1812	2,520	1812	2,520	For filing a re	filing a request for ex parte reexamination		
Charge fee(s) indicated below, except for the filing fee	1804	920*	1804	920°	Requesting Examiner a	esting publication of SIR prior to		
to the above-identified deposit account.	1805	1,840*	1805	1,840°	Requesting	publication of	of SIR after	
FEE CALCULATION	1251	110	2251	55	Examiner as Extension for	r action n for reply within first month		
1. BASIC FILING FEE	1252	420	2252	210	Extension fo	on for reply within second month		
Large Entity Small Entity	1253	950	2253	475	Extension fo	or reply within	n third month	
Fee Fee Fee Fee Fee Description Fee Paid Code (\$) Code (\$)	1254	1,480	2254	740	Extension fo	or reply within	n fourth month	
Code (\$) Code (\$) 1001 770 2001 385 Utility filing fee	1255	2,010	2255	1,005	Extension fo	or reply within	n fifth month	
1002 340 2002 170 Design filing fee	1401	330	2401	165	Notice of Ap	opeal		
1003 530 2003 265 Plant filing fee	1402	330	2402	165	Filing a brie	f in support o	f an appeal	
1004 770 2004 385 Reissue filing fee	1403	290	2403	145	Request for	oral hearing		
1005 160 2005 80 Provisional filing fee	1451	1,510	1451	1,510	Petition to in	nstitute a pub	lic use proceeding	
SUBTOTAL (1) (\$) 770.00	1452	110	2452	55	Petition to re	evive – unav	oidable	
(0)	1453	1,330	2453	665	Petition to r	evive - uninte	entional	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1501	1,330	2501	665	Utility issue	fee (or reissi	ue)	
Extra Fee from Claims below Fee Paid	1502	480	2502	240	Design issu	e fee		
Total Claims 120 -20** = 100 x 18.00 = 1,800.00	1503	640	2503	320	Plant issue	fee		
Independent 7 -3** = 4 x 86.00 = 344.00	1460	130	1460	130	Petitions to	the Commiss	sioner	
Multiple Dependent	1807	50	1807	50	Processing	fee under 37	CFR 1.17(q)	<u> </u>
Large Entity Small Entity	1806	180	1806	180			on Disclosure Stmt	
Fee Fee Fee Fee Code (\$) Code (\$)	8021	40	8021	40			ssignment per of properties)	
1202 18 2202 9 Claims in excess of 20	1809	770	2809	385	Filing a sub	mission after	final rejection	
1201 86 2201 43 Independent claims in excess of 3					(37 CFR 1.1	129(a)) Iditional inve	ntion to be	<u> </u>
1203 290 2203 145 Multiple dependent claim, if not paid	1810	770	2810	385	examined (37CFR 1.129	(b))	
1204 86 2204 43 ** Reissue independent claims over original patent	1801	770	2801	385	•	Continued E	Examination (RCE)	<u> </u>
1205 18 2205 9 ** Reissue claims in excess of 20	1802	900	1802	900	of a design		ALI III AUGIT	
and over original patent	Other	Other fee (specify)						<u></u>
SUBTOTAL (2) (\$) 2,144.00	*Redi	educed by Basic Filing Fee Paid SUBTOTAL (3) (\$) 0.00						
**or number previously paid, if greater; For Reissues, see above								
SUBMITTED BY	Regist	tration M	·]_:	4===			(if applicable))	
Name (Print/Type) Charles A. Bieneman		tration No. 151,472 Telephone (248) 594-0648				3		
Signature						Date	November 26,	2003
		-				-		

Fee Transmittal
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Dated: November 26, 2003

Signature: _

_ (Sarah J. Goodwin)

on No. (ii	known): Attorney Docket No.: 65858-002
	116 - 1 - 1 E - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
Cer	tificate of Express Mailing Under 37 CFR 1.10
	y certify that this correspondence is being deposited with the United States Postal Service as s Mail, Airbill No. EV 078877250 US in an envelope addressed to:
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on	November 26, 2003 Date
_	lond D.
	Signature Sarah J. Goodwin
_	Typed or printed name of person signing Certificate
Note:	Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.
	Application Data Sheet

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Attorney Docket No.: 65858-0029

Certificate of Express Mailing Under 37 CFR 1.10

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on	November 26, 2003
	Date

Signature

Sarah J. Goodwin

Typed or printed name of person signing Certificate

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IDS (Citation) by Applicant